

Amclt D

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<110> Yousef, George M.
Diamandis, Eleftherios

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<141> 2001-09-10

<150> PCT/CA00/00258

<151> 2000-03-09

<150> US 60/124,260

<151> 1999-03-11

<150> US 60/127,386

<151> 1999-04-01

<150> US 60/144,919

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<210> 66
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 66

Met	Thr	Gln	Ser	Gln	Glu	Asp	Glu	Asn	Lys	Ile	Ile	Gly	Gly	His	Thr
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Cys	Thr	Arg	Ser	Ser	Gln	Pro	Trp	Gln	Ala	Ala	Leu	Leu	Ala	Gly	Pro
			20					25					30		
Arg	Arg	Arg	Phe	Leu	Cys	Gly	Gly	Ala	Leu	Leu	Ser	Gly	Gln	Trp	Val
			35				40					45			
Ile	Thr	Ala	Ala	His	Cys	Gly	Arg	Pro	Ile	Leu	Gln	Val	Ala	Leu	Gly
	50					55					60				

Lys His Asn Leu Arg Arg Trp Glu Ala Thr Gln Gln Val Leu Arg Val
 65 70 75 80
 Val Arg Gln Val Thr His Pro Asn Tyr Asn Ser Arg Thr His Asp Asn
 85 90 95
 Asp Leu Met Leu Leu Gln Leu Gln Gln Pro Ala Arg Ile Gly Arg Ala
 100 105 110
 Val Arg Pro Ile Glu Val Thr Gln Ala Cys Ala Ser Pro Gly Thr Ser
 115 120 125
 Cys Arg Val Ser Gly Trp Gly Thr Ile Ser Ser Pro Ile Ala Arg Tyr
 130 135 140
 Pro Ala Ser Leu Gln Cys Val Asn Ile Asn Ile Ser Pro Asp Glu Val
 145 150 155 160
 Cys Gln Lys Ala Tyr Pro Arg Thr Ile Thr Pro Gly Met Val Cys Ala
 165 170 175
 Gly Val Pro Gln Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly
 180 185 190
 Pro Leu Val Cys Arg Gly Gln Leu Gln Gly Leu Val Ser Trp Gly Met
 195 200 205
 Glu Arg Cys Ala Leu Pro Gly Tyr Pro Gly Val Tyr Thr Asn Leu Cys
 210 215 220
 Lys Tyr Arg Ser Trp Ile Glu Glu Thr Met Arg Asp Lys
 225 230 235

<210> 67
 <211> 251
 <212> PRT
 <213> Homo sapiens

<400> 67

Met Phe Leu Leu Leu Thr Ala Leu Gln Val Leu Ala Ile Ala Met Thr
 1 5 10 15
 Gln Ser Gln Glu Asp Glu Asn Lys Ile Ile Gly Gly His Thr Cys Thr
 20 25 30
 Arg Ser Ser Gln Pro Trp Gln Ala Ala Leu Leu Ala Gly Pro Arg Arg
 35 40 45
 Arg Phe Leu Cys Gly Gly Ala Leu Leu Ser Gly Gln Trp Val Ile Thr
 50 55 60
 Ala Ala His Cys Gly Arg Pro Ile Leu Gln Val Ala Leu Gly Lys His
 65 70 75 80
 Asn Leu Arg Arg Trp Glu Ala Thr Gln Gln Val Leu Arg Val Val Arg
 85 90 95
 Gln Val Thr His Pro Asn Tyr Asn Ser Arg Thr His Asp Asn Asp Leu
 100 105 110

Met Leu Leu Gln Leu Gln Gln Pro Ala Arg Ile Gly Arg Ala Val Arg
 115 120 125
 Pro Ile Glu Val Thr Gln Ala Cys Ala Ser Pro Gly Thr Ser Cys Arg
 130 135 140
 Val Ser Gly Trp Gly Thr Ile Ser Ser Pro Ile Ala Arg Tyr Pro Ala
 145 150 155 160
 Ser Leu Gln Cys Val Asn Ile Asn Ile Ser Pro Asp Glu Val Cys Gln
 165 170 175
 Lys Ala Tyr Pro Arg Thr Ile Thr Pro Gly Met Val Cys Ala Gly Val
 180 185 190
 Pro Gln Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu
 195 200 205
 Val Cys Arg Gly Gln Leu Gln Gly Leu Val Ser Trp Gly Met Glu Arg
 210 215 220
 Cys Ala Leu Pro Gly Tyr Pro Gly Val Tyr Thr Asn Leu Cys Lys Tyr
 225 230 235 240
 Arg Ser Trp Ile Glu Glu Thr Met Arg Asp Lys
 245 250

<210> 68
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 68

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
 1 5 10 15
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
 20 25 30
 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
 35 40 45
 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
 50 55 60
 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
 65 70 75 80
 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
 85 90 95
 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
 100 105 110
 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
 115 120 125

Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
 130 135 140
 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
 145 150 155 160
 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
 165 170 175
 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
 180 185 190
 Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
 195 200 205
 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
 210 215 220
 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
 225 230 235 240
 Cys Lys Phe Thr Glu Trp Ile Glu Lys
 245

<210> 69
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 69

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
 1 5 10 15
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Glu Met Ser Pro Ser Cys
 20 25 30
 Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp
 35 40 45
 Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu
 50 55 60
 Val His Pro Gln Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser
 65 70 75 80
 Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro
 85 90 95
 Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr
 100 105 110
 Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu
 115 120 125
 Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln
 130 135 140
 Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu
 145 150 155 160

Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val
165 170 175

Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro
180 185 190

Ser Met Phe Cys Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn
195 200 205

Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu
210 215 220

Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val
225 230 235 240

Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys
245 250

<210> 70
<211> 287
<212> PRT
<213> Homo sapiens

<400> 70

Met Ala Thr Ala Arg Pro Pro Trp Met Trp Val Leu Cys Ala Leu Ile
1 5 10 15

Thr Ala Leu Leu Leu Gly Val Thr Glu His Val Leu Ala Asn Asn Asp
20 25 30

Val Ser Cys Asp His Pro Ser Asn Thr Val Pro Ser Gly Ser Asn Gln
35 40 45

Asp Leu Gly Ala Gly Ala Gly Glu Asp Ala Arg Ser Asp Asp Ser Ser
50 55 60

Ser Arg Ile Ile Asn Gly Ser Asp Cys Asp Met His Thr Gln Pro Trp
65 70 75 80

Gln Ala Ala Leu Leu Leu Arg Pro Asn Gln Leu Tyr Cys Gly Ala Val
85 90 95

Leu Val His Pro Gln Trp Leu Leu Thr Ala Ala His Cys Arg Lys Lys
100 105 110

Val Phe Arg Val Arg Leu Gly His Tyr Ser Leu Ser Pro Val Tyr Glu
115 120 125

Ser Gly Gln Gln Met Phe Gln Gly Val Lys Ser Ile Pro His Pro Gly
130 135 140

Tyr Ser His Pro Gly His Ser Asn Asp Leu Met Leu Ile Lys Leu Asn
145 150 155 160

Arg Arg Ile Arg Pro Thr Lys Asp Val Arg Pro Ile Asn Val Ser Ser
165 170 175

His Cys Pro Ser Ala Gly Thr Lys Cys Leu Val Ser Gly Trp Gly Thr
 180 185 190
 Thr Lys Ser Pro Gln Val His Phe Pro Lys Val Leu Gln Cys Leu Asn
 195 200 205
 Ile Ser Val Leu Ser Gln Lys Arg Cys Glu Asp Ala Tyr Pro Arg Gln
 210 215 220
 Ile Asp Asp Thr Met Phe Cys Ala Gly Asp Lys Ala Gly Arg Asp Ser
 225 230 235 240
 Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly Ser Leu Gln
 245 250 255
 Gly Leu Val Ser Trp Gly Asp Tyr Pro Cys Ala Arg Pro Asn Arg Pro
 260 265 270
 Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Lys Trp Ile Gln Glu
 275 280 285

<210> 71
 <211> 239
 <212> PRT
 <213> Homo sapiens

<400> 71

Met Lys Lys Leu Met Val Val Leu Ser Leu Ile Ala Ala Ala Trp Ala
 1 5 10 15
 Glu Glu Gln Asn Lys Leu Val His Gly Gly Pro Cys Asp Lys Thr Ser
 20 25 30
 His Pro Tyr Gln Ala Ala Leu Tyr Thr Ser Gly His Leu Leu Cys Gly
 35 40 45
 Gly Val Leu Ile His Pro Leu Trp Val Leu Thr Ala Ala His Cys Lys
 50 55 60
 Lys Pro Asn Leu Gln Val Phe Leu Gly Lys His Asn Leu Arg Gln Arg
 65 70 75 80
 Glu Ser Ser Gln Glu Gln Ser Ser Val Val Arg Ala Val Ile His Pro
 85 90 95
 Asp Tyr Asp Ala Ala Ser His Asp Gln Asp Ile Met Leu Leu Arg Leu
 100 105 110
 Ala Arg Pro Ala Lys Leu Ser Glu Leu Ile Gln Pro Leu Pro Leu Glu
 115 120 125
 Arg Asp Cys Ser Ala Asn Thr Thr Ser Cys His Ile Leu Gly Trp Gly
 130 135 140
 Lys Thr Ala Asp Gly Asp Phe Pro Asp Thr Ile Gln Cys Ala Tyr Ile
 145 150 155 160
 His Leu Val Ser Arg Glu Glu Cys Glu His Ala Tyr Pro Gly Gln Ile
 165 170 175

Thr Gln Asn Met Leu Cys Ala Gly Asp Glu Lys Tyr Gly Lys Asp Ser
 180 185 190
 Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Asp His Leu Arg
 195 200 205
 Gly Leu Val Ser Trp Gly Asn Ile Pro Cys Gly Ser Lys Glu Lys Pro
 210 215 220
 Gly Val Tyr Thr Asn Val Cys Arg Tyr Thr Asn Trp Ile Gln Lys
 225 230 235

<210> 72
 <211> 275
 <212> PRT
 <213> Homo sapiens

<400> 72

Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu
 1 5 10 15
 Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys
 20 25 30
 Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala
 35 40 45
 Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly
 50 55 60
 Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr
 65 70 75 80
 Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln
 85 90 95
 Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser
 100 105 110
 Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp
 115 120 125
 Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His
 130 135 140
 Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val
 145 150 155 160
 Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val
 165 170 175
 Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile
 180 185 190
 Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys
 195 200 205

Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly
 210 215 220
 Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly
 225 230 235 240
 Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Thr Leu
 245 250 255
 Ser Pro Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly
 260 265 270
 Leu Val Gly
 275

<210> 73
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 73

Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser Gln
 1 5 10 15
 Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly Ala
 20 25 30
 Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys
 35 40 45
 Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu Glu
 50 55 60
 Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro Gly
 65 70 75 80
 Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu
 85 90 95
 Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro Leu
 100 105 110
 Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile Ser
 115 120 125
 Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr Leu
 130 135 140
 Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn Ala
 145 150 155 160
 Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln Glu
 165 170 175
 Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys
 180 185 190
 Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys Ala
 195 200 205

Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val Asp
 210 215 220

Trp Ile Gln Glu
 225

<210> 74
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 74

Met Trp Val Pro Val Val Phe Leu Thr Leu Ser Val Thr Trp Ile Gly
 1 5 10 15

Ala Ala Pro Leu Ile Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
 20 25 30

Lys His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala
 35 40 45

Val Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala
 50 55 60

His Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu
 65 70 75 80

Phe His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe
 85 90 95

Pro His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg
 100 105 110

Pro Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu
 115 120 125

Pro Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln
 130 135 140

Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile
 145 150 155 160

Glu Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu
 165 170 175

His Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val
 180 185 190

Thr Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Thr
 195 200 205

Cys Ser Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln
 210 215 220

Gly Ile Thr Ser Trp Gly Ser Glu Pro Cys Ala Leu Pro Glu Arg Pro
 225 230 235 240

Ser Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp
245 250 255

<210> 75
<211> 255
<212> PRT
<213> Homo sapiens

<400> 75

Met Trp Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly
1 5 10 15
Ala Val Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
20 25 30
Lys His Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala
35 40 45
His Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala
50 55 60
His Cys Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu
65 70 75 80
Phe Glu Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe
85 90 95
Pro His Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg
100 105 110
Pro Asp Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu
115 120 125
Pro Ala Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Thr Gln
130 135 140
Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile
145 150 155 160
Glu Pro Glu Glu Phe Leu Arg Pro Arg Ser Leu Gln Cys Val Ser Leu
165 170 175
His Leu Leu Ser Asn Asp Met Cys Ala Arg Ala Tyr Ser Glu Lys Val
180 185 190
Thr Glu Phe Met Leu Cys Ala Gly Leu Trp Thr Gly Gly Lys Asp Thr
195 200 205
Cys Gly Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln
210 215 220
Gly Ile Thr Ser Trp Gly Pro Glu Pro Cys Ala Leu Pro Glu Lys Pro
225 230 235 240
Ala Val Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp
245 250 255

<210> 76
 <211> 256
 <212> PRT
 <213> Homo sapiens

<400> 76

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Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr Gly
1          5          10          15

Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
          20          25          30

Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr His Phe Ser Thr Phe
          35          40          45

Gln Cys Gly Gly Ile Leu Val His Arg Gln Trp Val Leu Thr Ala Ala
          50          55          60

His Cys Ile Ser Asp Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu
65          70          75          80

Phe Asp Asp Glu Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe
          85          90          95

Pro His Pro Gly Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln
          100          105          110

Ala Asp Glu Asp Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu
          115          120          125

Pro Ala Asp Thr Ile Thr Asp Ala Val Lys Val Val Glu Leu Pro Thr
          130          135          140

Glu Glu Pro Glu Val Gly Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser
145          150          155          160

Ile Glu Pro Glu Asn Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp
          165          170          175

Leu Lys Ile Leu Pro Asn Asp Glu Cys Lys Lys Ala His Val Gln Lys
          180          185          190

Val Thr Asp Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp
          195          200          205

Thr Cys Val Gly Asp Ser Gly Gly Pro Leu Met Cys Asp Gly Val Leu
          210          215          220

Gln Gly Val Thr Ser Trp Gly Tyr Val Pro Cys Gly Thr Pro Asn Lys
225          230          235          240

Pro Ser Val Ala Val Arg Val Leu Ser Tyr Val Lys Trp Ile Glu Asp
          245          250          255

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<210> 77
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 77

Met Asn Pro Leu Leu Ile Leu Thr Phe Val Ala Ala Ala Leu Ala Ala
1 5 10 15
Pro Phe Asp Asp Asp Asp Lys Ile Val Gly Gly Tyr Asn Cys Glu Glu
20 25 30
Asn Ser Val Pro Tyr Gln Val Ser Leu Asn Ser Gly Tyr His Phe Cys
35 40 45
Gly Gly Ser Leu Ile Asn Glu Gln Trp Val Val Ser Ala Gly His Cys
50 55 60
Tyr Lys Ser Arg Ile Gln Val Arg Leu Gly Glu His Asn Ile Glu Val
65 70 75 80
Leu Glu Gly Asn Glu Gln Phe Ile Asn Ala Ala Lys Ile Ile Arg His
85 90 95
Pro Gln Tyr Asp Arg Lys Thr Leu Asn Asn Asp Ile Met Leu Ile Lys
100 105 110
Leu Ser Ser Arg Ala Val Ile Asn Ala Arg Val Ser Thr Ile Ser Leu
115 120 125
Pro Thr Ala Pro Pro Ala Thr Gly Thr Lys Cys Leu Ile Ser Gly Trp
130 135 140
Gly Asn Thr Ala Ser Ser Gly Ala Asp Tyr Pro Asp Glu Leu Gln Cys
145 150 155 160
Leu Asp Ala Pro Val Leu Ser Gln Ala Lys Cys Glu Ala Ser Tyr Pro
165 170 175
Gly Lys Ile Thr Ser Asn Met Phe Cys Val Gly Phe Leu Glu Gly Gly
180 185 190
Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly
195 200 205
Gln Leu Gln Gly Val Val Ser Trp Gly Asp Gly Cys Ala Gln Lys Asn
210 215 220
Lys Pro Gly Val Tyr Thr Lys Val Tyr Asn Tyr Val Lys Trp Ile Lys
225 230 235 240
Asn

<210> 78

<211> 261

<212> PRT

<213> Homo sapiens

<400> 78

Met Trp Val Pro Val Val Phe Leu Thr Leu Ser Val Thr Trp Ile Gly
1 5 10 15

Ala Ala Pro Leu Ile Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
 20 25 30
 Lys His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala
 35 40 45
 Val Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala
 50 55 60
 His Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu
 65 70 75 80
 Phe His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe
 85 90 95
 Pro His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg
 100 105 110
 Pro Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu
 115 120 125
 Pro Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln
 130 135 140
 Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile
 145 150 155 160
 Glu Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu
 165 170 175
 His Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val
 180 185 190
 Thr Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Thr
 195 200 205
 Cys Ser Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln
 210 215 220
 Gly Ile Thr Ser Trp Gly Ser Glu Pro Cys Ala Leu Pro Glu Arg Pro
 225 230 235 240
 Ser Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp Thr
 245 250 255
 Ile Val Ala Asn Pro
 260

<210> 79
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 79

Met Trp Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly
 1 5 10 15
 Ala Val Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
 20 25 30

Lys His Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala
 35 40 45
 His Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala
 50 55 60
 His Cys Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu
 65 70 75 80
 Phe Glu Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe
 85 90 95
 Pro His Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg
 100 105 110
 Pro Asp Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu
 115 120 125
 Pro Ala Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Thr Gln
 130 135 140
 Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile
 145 150 155 160
 Glu Pro Glu Glu Phe Leu Arg Pro Arg Ser Leu Gln Cys Val Ser Leu
 165 170 175
 His Leu Leu Ser Asn Asp Met Cys Ala Arg Ala Tyr Ser Glu Lys Val
 180 185 190
 Thr Glu Phe Met Leu Cys Ala Gly Leu Trp Thr Gly Gly Lys Asp Thr
 195 200 205
 Cys Gly Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln
 210 215 220
 Gly Ile Thr Ser Trp Gly Pro Glu Pro Cys Ala Leu Pro Glu Lys Pro
 225 230 235 240
 Ala Val Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp Thr
 245 250 255
 Ile Ala Ala Asn Pro
 260

<210> 80
 <211> 262
 <212> PRT
 <213> Homo sapiens

<400> 80

Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr Gly
 1 5 10 15
 Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu
 20 25 30

Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr His Phe Ser Thr Phe
 35 40 45
 Gln Cys Gly Gly Ile Leu Val His Arg Gln Trp Val Leu Thr Ala Ala
 50 55 60
 His Cys Ile Ser Asp Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu
 65 70 75 80
 Phe Asp Asp Glu Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe
 85 90 95
 Pro His Pro Gly Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln
 100 105 110
 Ala Asp Glu Asp Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu
 115 120 125
 Pro Ala Asp Thr Ile Thr Asp Ala Val Lys Val Val Glu Leu Pro Thr
 130 135 140
 Glu Glu Pro Glu Val Gly Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser
 145 150 155 160
 Ile Glu Pro Glu Asn Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp
 165 170 175
 Leu Lys Ile Leu Pro Asn Asp Glu Cys Lys Lys Ala His Val Gln Lys
 180 185 190
 Val Thr Asp Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp
 195 200 205
 Thr Cys Val Gly Asp Ser Gly Gly Pro Leu Met Cys Asp Gly Val Leu
 210 215 220
 Gln Gly Val Thr Ser Trp Gly Tyr Val Pro Cys Gly Thr Pro Asn Lys
 225 230 235 240
 Pro Ser Val Ala Val Arg Val Leu Ser Tyr Val Lys Trp Ile Glu Asp
 245 250 255
 Thr Ile Ala Glu Asn Ser
 260

<210> 81
 <211> 254
 <212> PRT
 <213> Homo sapiens

<400> 81

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
 1 5 10 15
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
 20 25 30
 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
 35 40 45

Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
 50 55 60
 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
 65 70 75 80
 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
 85 90 95
 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
 100 105 110
 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
 115 120 125
 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
 130 135 140
 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
 145 150 155 160
 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
 165 170 175
 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
 180 185 190
 Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
 195 200 205
 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
 210 215 220
 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
 225 230 235 240
 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
 245 250

<210> 82
 <211> 247
 <212> PRT
 <213> Homo sapiens

<400> 82

Met Asn Pro Leu Leu Ile Leu Thr Phe Val Ala Ala Ala Leu Ala Ala
 1 5 10 15
 Pro Phe Asp Asp Asp Asp Lys Ile Val Gly Gly Tyr Asn Cys Glu Glu
 20 25 30
 Asn Ser Val Pro Tyr Gln Val Ser Leu Asn Ser Gly Tyr His Phe Cys
 35 40 45
 Gly Gly Ser Leu Ile Asn Glu Gln Trp Val Val Ser Ala Gly His Cys
 50 55 60

Tyr Lys Ser Arg Ile Gln Val Arg Leu Gly Glu His Asn Ile Glu Val
 65 70 75 80
 Leu Glu Gly Asn Glu Gln Phe Ile Asn Ala Ala Lys Ile Ile Arg His
 85 90 95
 Pro Gln Tyr Asp Arg Lys Thr Leu Asn Asn Asp Ile Met Leu Ile Lys
 100 105 110
 Leu Ser Ser Arg Ala Val Ile Asn Ala Arg Val Ser Thr Ile Ser Leu
 115 120 125
 Pro Thr Ala Pro Pro Ala Thr Gly Thr Lys Cys Leu Ile Ser Gly Trp
 130 135 140
 Gly Asn Thr Ala Ser Ser Gly Ala Asp Tyr Pro Asp Glu Leu Gln Cys
 145 150 155 160
 Leu Asp Ala Pro Val Leu Ser Gln Ala Lys Cys Glu Ala Ser Tyr Pro
 165 170 175
 Gly Lys Ile Thr Ser Asn Met Phe Cys Val Gly Phe Leu Glu Gly Gly
 180 185 190
 Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly
 195 200 205
 Gln Leu Gln Gly Val Val Ser Trp Gly Asp Gly Cys Ala Gln Lys Asn
 210 215 220
 Lys Pro Gly Val Tyr Thr Lys Val Tyr Asn Tyr Val Lys Trp Ile Lys
 225 230 235 240
 Asn Thr Ile Ala Ala Asn Ser
 245

<210> 83
 <211> 260
 <212> PRT
 <213> Homo sapiens
 <400> 83

Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu
 1 5 10 15
 Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys
 20 25 30
 Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala
 35 40 45
 Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly
 50 55 60
 Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr
 65 70 75 80
 Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln
 85 90 95

Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser
 100 105 110
 Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp
 115 120 125
 Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His
 130 135 140
 Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val
 145 150 155 160
 Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val
 165 170 175
 Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile
 180 185 190
 Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys
 195 200 205
 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly
 210 215 220
 Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly
 225 230 235 240
 Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Ile Ile
 245 250 255
 Gly Ser Lys Gly
 260

<210> 84
 <211> 244
 <212> PRT
 <213> Homo sapiens

<400> 84

Met Lys Lys Leu Met Val Val Leu Ser Leu Ile Ala Ala Ala Trp Ala
 1 5 10 15
 Glu Glu Gln Asn Lys Leu Val His Gly Gly Pro Cys Asp Lys Thr Ser
 20 25 30
 His Pro Tyr Gln Ala Ala Leu Tyr Thr Ser Gly His Leu Leu Cys Gly
 35 40 45
 Gly Val Leu Ile His Pro Leu Trp Val Leu Thr Ala Ala His Cys Lys
 50 55 60
 Lys Pro Asn Leu Gln Val Phe Leu Gly Lys His Asn Leu Arg Gln Arg
 65 70 75 80
 Glu Ser Ser Gln Glu Gln Ser Ser Val Val Arg Ala Val Ile His Pro
 85 90 95

Asp Tyr Asp Ala Ala Ser His Asp Gln Asp Ile Met Leu Leu Arg Leu
 100 105 110
 Ala Arg Pro Ala Lys Leu Ser Glu Leu Ile Gln Pro Leu Pro Leu Glu
 115 120 125
 Arg Asp Cys Ser Ala Asn Thr Thr Ser Cys His Ile Leu Gly Trp Gly
 130 135 140
 Lys Thr Ala Asp Gly Asp Phe Pro Asp Thr Ile Gln Cys Ala Tyr Ile
 145 150 155 160
 His Leu Val Ser Arg Glu Glu Cys Glu His Ala Tyr Pro Gly Gln Ile
 165 170 175
 Thr Gln Asn Met Leu Cys Ala Gly Asp Glu Lys Tyr Gly Lys Asp Ser
 180 185 190
 Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Asp His Leu Arg
 195 200 205
 Gly Leu Val Ser Trp Gly Asn Ile Pro Cys Gly Ser Lys Glu Lys Pro
 210 215 220
 Gly Val Tyr Thr Asn Val Cys Arg Tyr Thr Asn Trp Ile Gln Lys Thr
 225 230 235 240
 Ile Gln Ala Lys

<210> 85
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 85

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
 1 5 10 15
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Glu Met Ser Pro Ser Cys
 20 25 30
 Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp
 35 40 45
 Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu
 50 55 60
 Val His Pro Gln Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser
 65 70 75 80
 Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro
 85 90 95
 Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr
 100 105 110
 Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu
 115 120 125

Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln
 130 135 140
 Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu
 145 150 155 160
 Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val
 165 170 175
 Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro
 180 185 190
 Ser Met Phe Cys Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn
 195 200 205
 Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu
 210 215 220
 Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val
 225 230 235 240
 Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln
 245 250 255

Ala Ser

<210> 86
 <211> 250
 <212> PRT
 <213> Homo sapiens

<400> 86

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
 1 5 10 15
 Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
 20 25 30
 Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
 35 40 45
 Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
 50 55 60
 Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
 65 70 75 80
 Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
 85 90 95
 Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
 100 105 110
 Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
 115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
 130 135 140
 Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
 145 150 155 160
 Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
 165 170 175
 Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
 180 185 190
 Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
 195 200 205
 Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
 210 215 220
 Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
 225 230 235 240
 Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
 245 250

<210> 87
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 87

Met Ala Arg Ser Leu Leu Leu Pro Leu Gln Ile Leu Leu Leu Ser Leu
 1 5 10 15
 Ala Leu Glu Thr Ala Gly Glu Glu Ala Gln Gly Asp Lys Ile Ile Asp
 20 25 30
 Gly Ala Pro Cys Ala Arg Gly Ser His Pro Trp Gln Val Ala Leu Leu
 35 40 45
 Ser Gly Asn Gln Leu His Cys His Ser Cys Cys Glu Gly Gly Val Leu
 50 55 60
 Val Asn Glu Arg Trp Val Leu Thr Ala Ala His Cys Lys Met Asn Glu
 65 70 75 80
 Tyr Thr Val His Leu Gly Ser Asp Thr Leu Gly Asp Arg Arg Ala Gln
 85 90 95
 Arg Ile Lys Ala Ser Lys Ser Phe Arg His Pro Gly Tyr Ser Thr Gln
 100 105 110
 Thr His Val Asn Asp Leu Met Leu Val Lys Leu Asn Ser Gln Ala Arg
 115 120 125
 Leu Ser Ser Met Val Lys Lys Val Arg Leu Pro Ser Arg Cys Glu Pro
 130 135 140
 Pro Gly Thr Thr Cys Thr Val Ser Gly Trp Gly Thr Thr Thr Ser Pro
 145 150 155 160

Asp	Val	Thr	Phe	Pro	Asp	Leu	Met	Cys	Val	Asp	Val	Lys	Leu	Ile	Ser
				165					170					175	
Pro	Gln	Asp	Cys	Thr	Lys	Val	Tyr	Lys	Asp	Leu	Leu	Glu	Asn	Ser	Met
			180					185					190		
Leu	Cys	Ala	Gly	Ile	Pro	Asp	Ser	Lys	Lys	Asn	Ala	Cys	Asn	Gly	Asp
		195					200					205			
Ser	Gly	Gly	Pro	Leu	Val	Cys	Arg	Gly	Thr	Leu	Gln	Gly	Leu	Val	Ser
	210					215					220				
Trp	Gly	Thr	Phe	Pro	Cys	Gly	Gln	Pro	Asn	Asp	Pro	Gly	Val	Tyr	Thr
225					230					235					240
Gln	Val	Cys	Lys	Phe	Thr	Lys	Trp	Ile	Asn	Asp	Thr	Met	Lys	Lys	His
				245					250					255	

Arg

<210> 88
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 88

Met	Arg	Ala	Pro	His	Leu	His	Leu	Ser	Ala	Ala	Ser	Gly	Ala	Arg	Ala
1				5					10					15	
Leu	Ala	Lys	Leu	Leu	Pro	Leu	Leu	Met	Ala	Gln	Leu	Trp	Ala	Ala	Glu
			20					25					30		
Ala	Ala	Leu	Leu	Pro	Gln	Asn	Asp	Thr	Arg	Leu	Asp	Pro	Glu	Ala	Tyr
		35					40					45			
Gly	Ala	Pro	Cys	Ala	Arg	Gly	Ser	Gln	Pro	Trp	Gln	Val	Ser	Leu	Phe
	50					55					60				
Asn	Gly	Leu	Ser	Phe	His	Cys	Ala	Gly	Val	Leu	Val	Asp	Gln	Ser	Trp
65					70					75					80
Val	Leu	Thr	Ala	Ala	His	Cys	Gly	Asn	Lys	Pro	Leu	Trp	Ala	Arg	Val
				85					90					95	
Gly	Asp	Asp	His	Leu	Leu	Leu	Leu	Gln	Gly	Glu	Gln	Leu	Arg	Arg	Thr
			100					105					110		
Thr	Arg	Ser	Val	Val	His	Pro	Lys	Tyr	His	Gln	Gly	Ser	Gly	Pro	Ile
		115					120					125			
Leu	Pro	Arg	Arg	Thr	Asp	Glu	His	Asp	Leu	Met	Leu	Leu	Lys	Leu	Ala
	130					135					140				
Arg	Pro	Val	Val	Pro	Gly	Pro	Arg	Val	Arg	Ala	Leu	Gln	Leu	Pro	Tyr
145					150					155					160

Arg Cys Ala Gln Pro Gly Asp Gln Cys Gln Val Ala Gly Trp Gly Thr
 165 170 175
 Thr Ala Ala Arg Arg Val Lys Tyr Asn Lys Gly Leu Thr Cys Ser Ser
 180 185 190
 Ile Thr Ile Leu Ser Pro Lys Glu Cys Glu Val Phe Tyr Pro Gly Val
 195 200 205
 Val Thr Asn Asn Met Ile Cys Ala Gly Leu Asp Arg Gly Gln Asp Pro
 210 215 220
 Cys Gln Ser Asp Ser Gly Gly Pro Leu Val Cys Asp Glu Thr Leu Gln
 225 230 235 240
 Gly Ile Leu Ser Trp Gly Val Tyr Pro Cys Gly Ser Ala Gln His Pro
 245 250 255
 Ala Val Tyr Thr Gln Ile Cys Lys Tyr Met Ser Trp Ile Asn Lys Val
 260 265 270
 Ile Arg Ser Asn
 275

<210> 89
 <211> 10
 <212> DNA
 <213> Homo sapiens

<400> 89
 gcggccatgg

10

<210> 90
 <211> 10
 <212> DNA
 <213> Artificial

<220>
 <223> Kozak consensus sequence

<400> 90
 gccvccatgg

10

<210> 91
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 91

Trp Leu Leu Thr Ala Ala His Cys
 1 5

<210> 92
 <211> 6
 <212> PRT

<213> Homo sapiens

<400> 92

Gly Asp Ser Gly Gly Pro
1 5

<210> 93

<211> 5

<212> PRT

<213> Homo sapiens

<400> 93

Asp Leu Met Leu Ile
1 5

<210> 94

<211> 7

<212> PRT

<213> Homo sapiens

<400> 94

Val Leu Thr Ala Ala His Cys
1 5

<210> 95

<211> 5

<212> PRT

<213> Homo sapiens

<400> 95

Asp Leu Arg Leu Leu
1 5

<210> 96

<211> 882

<212> DNA

<213> Homo sapiens

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